Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	05/17/2017 11:08 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	04/21/2017 12:22 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124617	-1	1.77	124459	1.74
Blue	F	SSC	125000	123133	-2	3.69	123475	3.45
Blue	E	FITC	23355	22665	-3	2.49	1012	10.12
Blue	D	PE	28848	28398	-2	2.08	1033	9.72
Blue	B	PerCP-Cy5-5	47791	47508	-1	3.45	1366	16.44
Blue	A	PE-Cy7	41358	40836	-2	5.11	636	34.67
Red	C	APC	51316	50548	-2	2.73	2916	9.24
Red	A	APC-Cy7	53225	51861	-3	2.72	1080	10.86
Violet	B	V450	14473	13794	-5	3.68	662	8.89
Violet	A	V500	59973	58019	-4	3.38	2588	6.42

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	18628	3.48	601	3	N/A	N/A	Pass
Blue	F	SSC	61234	1.79	534	0	N/A	N/A	Pass
Blue	E	FITC	112	40.12	538	-6	0.0218	254	Pass
Blue	D	PE	231	28.12	534	-4	0.1602	235	Pass
Blue	B	PerCP-Cy5-5	215	44.84	624	-6	0.0109	158	Pass
Blue	A	PE-Cy7	70	114.69	674	-7	0.0124	14	Pass
Red	C	APC	348	26.78	589	-5	0.0215	78	Pass
Red	A	APC-Cy7	118	40.70	567	-9	0.0061	2124	Pass
Violet	B	V450	81	43.61	477	6	0.0485	2304	Pass
Violet	A	V500	189	23.57	509	8	0.0129	414	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.82	-31.18	0.79
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.33
Red	18.73	13.27 - 19.91	N/A	N/A	31.11	31.75	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 9515

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments